

pre-
porous
porously
prominent

In the claims:

Please amend the claims as follows:

Claim 1 (Currently Amended): A reflection type liquid crystal display device comprising:
a plurality of pixel electrodes disposed over an active matrix substrate in the form of a matrix, each of the pixel electrodes connected to a thin film transistor;
a light reflective film containing at least two layers on each of said pixel electrodes, each layers having concavities and convexities; and
an insulating film interposed between the active matrix substrate and the plurality of pixel electrodes,
wherein one of said two layers has a first porous surface including pores with controlled diameters and depths and the other one of said two layers has a second porous surface including pores with controlled diameters and depths.

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Claim 2 (Previously Amended): A liquid crystal display device of claim 1, wherein said first porous surface and said second porous surface have a same configuration.

Claim 3 (Previously Amended): A liquid crystal display device of claim 1, wherein said first porous surface has a configuration different from said second porous surface.

Claim 4 (Original): A liquid crystal display device of claim 1 further comprising at least one driving thin film transistor formed over said substrate for driving said thin film transistors connected to said pixel electrodes.

Claim 5 (Original): A liquid crystal display device of claim 1, wherein said pixel electrodes and said light reflective film comprise aluminum.

Claim 6 (Original): A liquid crystal display device of claim 1, wherein said pixel electrodes and said light reflective film comprise scandium and aluminum.

Claim 7 (Previously Amended): A liquid crystal display device of claim 1, wherein the light reflective film comprises an oxide film.

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Claim 8 (Currently Amended): A reflection type liquid crystal display device comprising:
at least one thin film transistor formed over an active matrix substrate;
a pixel electrode connected to said thin film transistor;
an insulating film formed between said thin film transistor and said pixel electrode;
a light reflective film containing at least two layers on said pixel electrode, each layers having concavities and convexities, wherein one of said at least two layers has a porous surface including pores with controlled diameters and depths;

a first orientation film formed at least on said light reflective film;
a color filter adjacent to an opposing substrate;
an opposing electrode adjacent to said opposing substrate;
a second orientation film adjacent to said opposing substrate; and
a liquid crystal material injected between said first and second orientation films.

Claims 9 and 10 (Canceled)

Claim 11 (Previously Amended): A liquid crystal display device of claim 8, wherein a reflectance is 70% or more when an applied voltage is 5V to 15V.

Claim 12 (Previously Added): A liquid crystal display device of claim 8, wherein said liquid crystal material is a phase transition type guest/host liquid crystal.

Claim 13 (Previously Amended): A liquid crystal display device of claim 8, wherein said light reflective film comprises an oxide film.

Claim 14 (Currently Amended): A reflection type liquid crystal display device comprising:

a thin film transistor over a substrate having an insulating surface;
an insulating film comprising a material selected from the group consisting of silicon oxide, silicon nitride and an organic resin over said thin film transistor;
a pixel electrode connected to said thin film transistor; and
a light reflective film containing at least two layers on said pixel electrode, each layers having concavities and convexities,
wherein one of said at least two layers has a first porous surface including pores with controlled diameters and depths and the other one of said at least two layers has a second porous surface including pores with controlled diameters and depths.

Claim 15 (Previously Added): A liquid crystal display device of claim 14, wherein said first porous surface and said second porous surface have a same configuration.

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Claim 16 (Previously Amended): A liquid crystal display device of claim 14, wherein said first porous surface has a configuration different from said second porous surface.

Claim 17 (Previously Amended): A liquid crystal display device of claim 14, wherein said light reflective film comprises an oxide film.

Claim 18 (Previously Added): A liquid crystal display device of claim 14, wherein said reflectance is 70% or more when an applied voltage is 5V to 15V.

Claim 19 (Currently Amended): A reflection type liquid crystal display device comprising:
at least one thin film transistor formed over an active matrix substrate;
a pixel electrode connected to said thin film transistor;
an insulating film formed between said thin film transistor and said pixel electrode;
a light reflective film formed on said pixel electrode, wherein said light reflective film has a porous surface including pores with controlled diameters and depths, and has concavities and convexities;

a first orientation film formed at least on said light reflective film;
a color filter adjacent to an opposing substrate;
an opposing electrode adjacent to said opposing substrate;
a second orientation film adjacent to said opposing substrate; and
a liquid crystal material injected between said first and second orientation films.

Claim 20 (Previously Added): A liquid crystal display device of claim 19, wherein said liquid crystal material is a phase transition type guest/host liquid crystal.

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Claim 21 (Previously Added): A liquid crystal display device of claim 19, wherein said light reflective film comprises an oxide film.

Claim 22 (Previously Added): A liquid crystal display device of claim 19 further comprising at least one driving thin film transistor formed over said substrate for driving said thin film transistors connected to said pixel electrodes.

Claim 23 (Currently Amended): A reflection type liquid crystal display device comprising:

a thin film transistor over a substrate having an insulating surface;
an insulating film comprising a material selected from the group consisting of silicon oxide, silicon nitride and an organic resin over said thin film transistor;
a pixel electrode connected to said thin film transistor; and
a light reflective film formed on said pixel electrode,
wherein said light reflective film has a porous surface including pores with controlled diameters and depths, and has concavities and convexities.

Claim 24 (Previously Added): A liquid crystal display device of claim 23, wherein said light reflective film comprises an oxide film.

Claim 25 (Previously Added): A liquid crystal display device of claim 23, wherein said liquid crystal material is a phase transition type guest/host liquid crystal.

Claim 26 (Previously Added): A liquid crystal display device of claim 23 further comprising at least one driving thin film transistor formed over said substrate for driving said thin film transistors connected to said pixel electrodes.

Claim 27 (Currently Amended): A reflection type liquid crystal display device comprising:

41 at least one thin film transistor formed over an active matrix substrate;
a pixel electrode connected to said thin film transistor;
an insulating film comprising a material selected from the group consisting of silicon oxide, silicon nitride and an organic resin formed between said thin film transistor and said pixel electrode;

a light reflective film formed on said pixel electrode, wherein said light reflective film has a porous surface including pores with controlled diameters and depths, and has concavities and convexities;

a first orientation film formed at least on said light reflective film;
a color filter adjacent to an opposing substrate;
an opposing electrode adjacent to said opposing substrate;
a second orientation film adjacent to said opposing substrate; and
a liquid crystal material injected between said first and second orientation films.

Claim 28 (Previously Added): A liquid crystal display device of claim 27, wherein said liquid crystal material is a phase transition type guest/host liquid crystal.

Claim 29 (Previously Added): A liquid crystal display device of claim 27, wherein said light reflective film comprises an oxide film.

Claim 30 (Previously Added): A liquid crystal display device of claim 27, further comprising at least one driving thin film transistor formed over said substrate for driving said thin film transistors connected to said pixel electrodes.

Claim 31 (Currently Amended): A reflection type liquid crystal display device comprising:

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at least one thin film transistor formed over an active matrix substrate;
a pixel electrode connected to said thin film transistor;
an insulating film formed between said thin film transistor and said pixel electrode; and
a light reflective film formed on said pixel electrode, wherein said light reflective film has a porous surface including pores with controlled diameters and depths, and has concavities and convexities.

Claim 32 (Previously Added): A liquid crystal display device of claim 31, wherein said light reflective film comprises an oxide film.

Claim 33 (Previously Added): A liquid crystal display device of claim 31, wherein said insulating film comprises at least one selected from the group consisting of silicon oxide, silicon nitride, and an organic resin.

Claim 34 (Previously Added): A liquid crystal display device of claim 31, further comprising at least one driving thin film transistor formed over said active matrix substrate for driving said thin film transistors connected to said pixel electrodes.
